

**NEW UTILITY PATENT APPLICATION TRANSMITTAL  
(Small Entity)**

*(to be used for new applications only)*

Docket No.  
KMH-029COMBO

Total Pages in this Submission  
73

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**  
**Washington, D.C. 20231**

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53 is a new utility patent application for an invention entitled:

**ULTRA WIDEBAND TRANSMITTER AND RECEIVER**

and invented by:

**ROBERT J. FONTANA  
J. FREDERICK LARRICK, JR.**

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 51 pages and including the following:
  - ☒ Abstract of the Disclosure
  - ☒ Title of the Invention
  - ☒ Cross References to Related Applications *(if applicable)*
  - ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
  - ☐ Reference to Microfiche Appendix *(if applicable)*
  - ☒ Background of the Invention
  - ☒ Brief Summary of the Invention
  - ☒ Brief Description of the Drawings *(if drawings filed)*
  - ☒ Detailed Description
  - ☒ Claim(s) as Classified Below
3. ☐ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
  - ☐ Formal ☒ Informal
  - Number of Sheets 14
4. ☐ Declaration
  - ☐ Executed ☐ Unexecuted ☐ With Power of Attorney ☐ Without Power of Attorney

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## Application Elements (Continued)

5. ☐ Genetic Sequence Submission (if applicable, all must be included)
- ☐ Paper Copy
  - ☐ Computer Readable Copy
  - ☐ Statement Verifying Identical Paper and Computer Readable Copy

## Accompanying Application Parts

6. ☐ Assignment Papers
7. ☐ Computer Program in Microfiche
8. ☐ Information Disclosure Statement/PTO-1449      ☐ Copies of IDS Citations
9. ☐ Petition
10. ☐ Preliminary Amendment
11. ☐ Proprietary Information
12. ☐ Acknowledgment postcard
13. ☒ Small Entity Statement(s) - Specify Number of Statements Submitted: \_\_\_\_\_
14. ☐ Certificate of Mailing
- ☐ First Class    ☐ Express Mail (Specify Label No.): \_\_\_\_\_
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ English Translation Document (if applicable)

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## Accompanying Application Parts (Continued)

17. ☒ Additional Enclosures (please identify below):

Inventorship and Small Entity Declarations filed in parent applications 08/857,836 filed 5/16/97 and 08/872,729 filed 6/11/97.


## Fee Calculation and Transmittal

### CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	5	- 20 =	0	x \$11.00	\$0.00
Indep. Claims	4	- 3 =	1	x \$40.00	\$40.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$385.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$425.00

- ☒ A check in the amount of \$425.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 06-0115 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: February 17, 1999

  
Signature  
Lawrence Harbin, Reg. No. 27,644

CC: